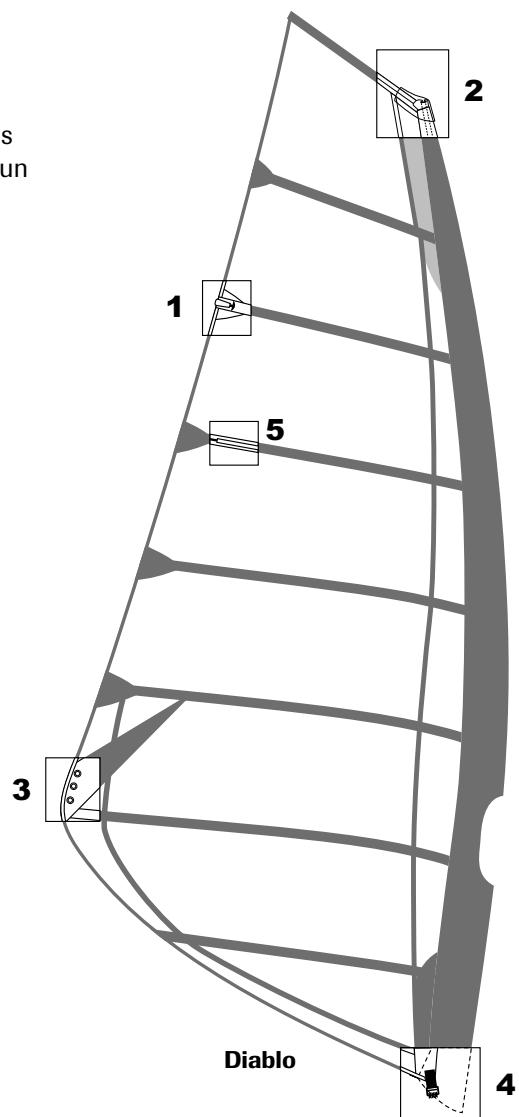


This manual contains all the information necessary to properly rig the Neil Pryde Diablo and Supersonic sails. Careful attention to the instructions and suggestions presented here will help to ensure that you get the most fun and best possible service from your sails.

TECHNICAL FEATURES

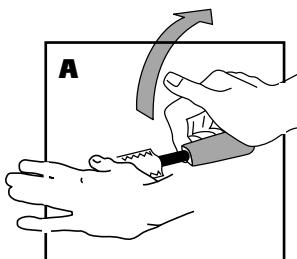
- 1. Microlite Batcam with Power Snap System**
- 2. Shear Tip II Rotating Head Fitting**
- 3. Two and Three Position Clew**
- 4. Low Friction Tack Fitting**
- 5. Tube/Rod battens with exclusive CNC tapering**

Please see the specific instructions which apply to each of these features before you rig your sail for the first time.

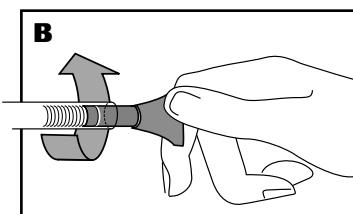


1. THE BAT-CAM TENSION SYSTEM

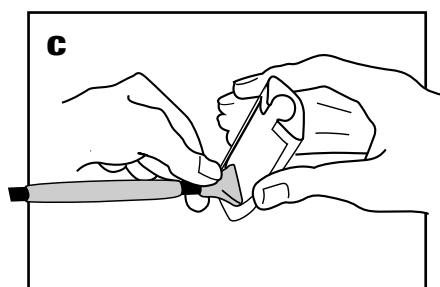
Battens and Batcams are pre-installed and factory tuned. The battens are pre-tensioned at the factory and should require very little, if any adjustment. However, you might want to adjust and further fine-tune. Battens may be tensioned before or after you insert the mast into the luff pocket.



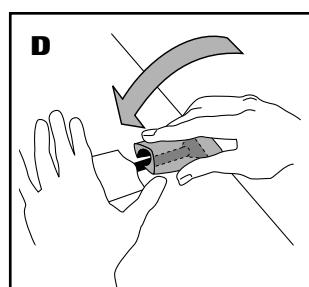
To open the lever, place the heel of your hand on the lower leech edge of the clamp and hook your middle fingers between the sail and the lever. Then pull back with your fingers prying the lever away from the leech, while pushing down the batten itself with your other hand (**A**).



To tension the batten, turn the screw anti-clockwise. To de-tension the batten turn the screw clockwise (**B**).



To close the lever, position the shoulder of the screw in the socket portion of the lever and align the tube with the clip at the front of the lever (**C**).



Apply pressure and snap the lever shut (**D**).

Warning: Do not over tension the battens. The screw should be extended only as much as necessary to remove wrinkles across the batten pockets. Over tensioning of the battens can damage the sail.

2

THE SHEAR TIP FITTING

After inserting the mast into the sail, take care that the fitting is seated correctly in the socket. Once the rig is tensioned, you may adjust the tension on the Shear Tip sleeve using the Tip adjuster screw, but only until smooth. Do not over tension.

Note : The Shear Tip Fitting has been designed in such way that it is possible to push down the tip of the arm (see diagram), e.g. when the tip catches a rock or the ground. When pushed down, the tip will automatically spring back to its initial position.

3

TWO AND THREE POSITION CLEW

Select the clew ring that's best suited to your requirements. Use the highest hole in light winds and/or very smooth water conditions to develop the best power. In this position, you may use less outhaul for a fuller setting without easing the mid-leech. Use the middle hole for medium conditions. Use the lower hole when overpowered or in rough water when you want to tune the sail flatter without closing off the twist.

4

LOW FRICTION TACK RING

The Low Friction Tack Fitting must be rigged properly to ensure maximum downhauling efficiency. Always rig the tack fitting according to the diagram.

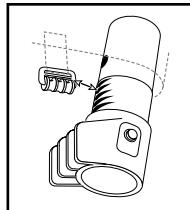
- G.** If necessary re-tension the batten until wrinkles at the batten pockets disappear. Be sure not to over-tension the battens.
- H.** Adjust the outhaul to the recommended dimensions and make the boom length so the clew is within two centimeters of the boom end. Use a tape measure to ensure accuracy and repeatability of the settings.
- I.** To ensure correct tuning for your specific sail, please consult the trim instructions that follow.

RIGGING TIPS

Pure RAF sails have no cams, so putting the mast into the luff pocket is easy. Grab the sail by using the handle located inside the fairing.

DE-RIGGING

- A.** Be sure that the tack fairing is clear of the mast base rings and other rig components.
- B.** Carefully ease the outhaul until it is completely loose.
- C.** Remove the boom.
- D.** Carefully release the downhaul a little at a time.
- E.** Remove the mast.



RIGGING

- A.** Set your boom and mast base to the dimension printed near the tack. The sail is designed to be perfectly trimmed on the correct mast at the recommended base settings.
- B.** Check that all the battens are fully inserted into their pockets. The battens are pre-tensioned at the factory and should require very little, if any adjustment.
- C.** Insert the mast into the luff pocket working the sail down the mast a bit at a time. When you have the mast almost all the way in, use the tack handle to help pull the remaining distance to the mast base.
- D.** Thread the downhaul line according to the instructions and partially tension the luff using the low friction tack fitting.
- E.** Attach the booms to the mast, allowing space above it in the cut-out so that the sail can be fully downhauled later.
- F.** Downhaul the sail to approximately 1 cm above the cleat base as shown in the diagram. Fine tune around this position. A small sticker has been provided with your sail which you can wrap around your mast base and use as a reference when you find your best tuning. When in the correct tuning range the tack pulley will be as shown.

SAIL MAINTENANCE

Always store your sail rolled and dry in its sailbag. Try to prevent the sail from being crushed or badly creased. Wash the sail in fresh water after use if possible, but do not store wet. The battens may be left in their pockets.

Do not leave the sail exposed to strong or direct sunlight.

Do not use any solvents or chemicals to clean it. If the sail becomes dirty, use fresh water and mild soap.

Make sure that you always keep the Shear Tip Rotating Head Fitting as free of sand as possible and flush the head area and fitting with fresh water regularly.

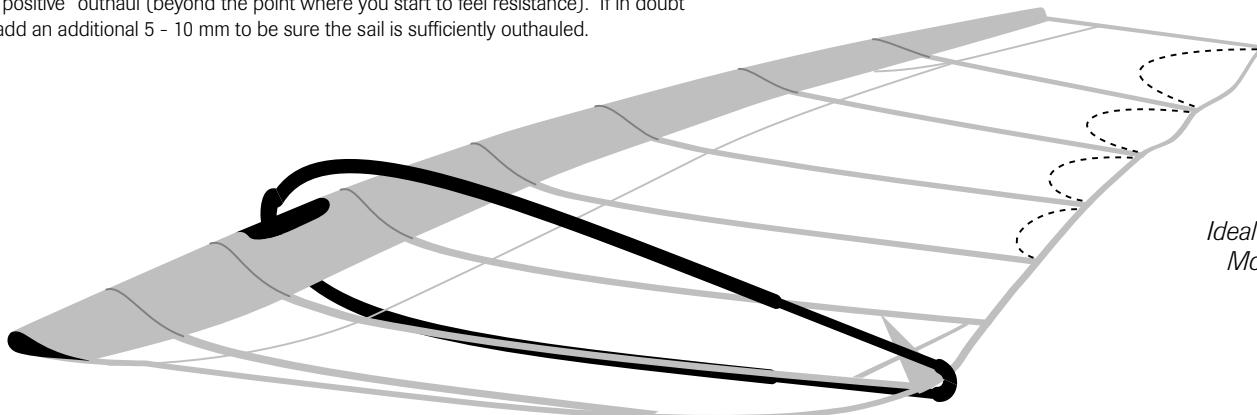
SAIL SAFE, HAVE FUN

Sail carefully and thoughtfully around other sailors and beach users. Before leaving the beach check all your equipment thoroughly for signs of wear or breakage. Always check the weather forecasts and take note of local conditions and potential hazards before sailing. Check for dangerous currents, and consider carefully where you might land in the event of an emergency.

For further information on this or other NEILPRYDE windsurfing equipment contact your AUTHORISED NEILPRYDE DEALER or our distributor in your country.

TUNING DIABLO AND THE RAF SUPersonic

First set the sails to base recommendations printed at the sail tack. Then, if necessary, tune the downhaul so that the leech appears just loose at the first and second batten. There may be some small wrinkles in the edge of the leech down to the first batten but these should not look pronounced or extreme. There will be looseness of the sail material inboard from the batten ends down to batten #2 or #3 but this will not be wrinkled looking nor will the edge of the sail be heavily wrinkled in this area. Once the upper leech looks correct (see drawings), then add outhaul until the leech makes a straight line from the first batten above the boom right up to the head. This should normally require between 2 - 4 cm of "positive" outhaul (beyond the point where you start to feel resistance). If in doubt add an additional 5 - 10 mm to be sure the sail is sufficiently outhauled.



A NOTE ON RIG DIMENSIONS

The rig dimensions printed on the tack of all Neil Pryde collection sails show the following information:

- Base setting:** this is the number which you should set your Neil Pryde aluminum or carbon mast base ring. Rigged on the correct mast you will be able to downhaul perfectly with the carbon base. You will have to interpolate the setting for using the aluminum base since the dimensioning is different.
- Boom dimension** is stated as the best average tuned dimension plus or minus 1 cm. This is measured from the forward edge of the mast (at the center of the boom cutout) to the sail clew at the center eyelet.

These figures are intended as a GUIDE to proper sail trim and depending on the rig components you choose may not always correspond perfectly to the settings which are best for you.

CHOOSING THE RIGHT MAST

Every Neil Pryde sail is designed around a specific recommended mast. To get the optimum performance from your Neil Pryde racing sails, use the recommended mast. In many cases an alternative mast is specified and this will also provide good performance.